

# **The Government Emergency Telecommunications Service** **(GETS)**

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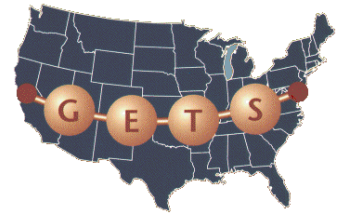
*National Communications System*

*November 15, 2001*



# Objective Of GETS

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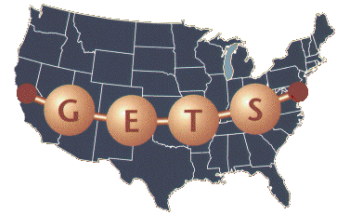
Provide Authorized Government Users With A Nationwide NS/EP Switched Voice And Voice Band Data Communications Service By Utilizing The **Existing Public Switched Network (PSN) Resources** Under A Full Range Of Conditions:

- Crisis
  - Natural Disasters
  - All-Hazards



# Why The PSN?

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## GETS Is Based On The PSN Because:

- 95 Percent Of Government Telecommunications Needs Are Met By The PSN
- The PSN Is Ubiquitous, Robust, And Flexible

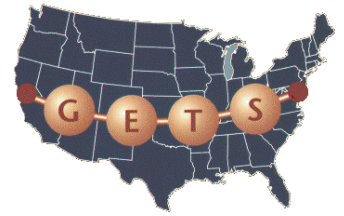
## Therefore:

- GETS Provides Improvements In The PSN For NS/EP Telecommunications
- The PSN Will Provide For The Continuing Technical Evolution Of GETS



# NS/EP Functional Requirements\*

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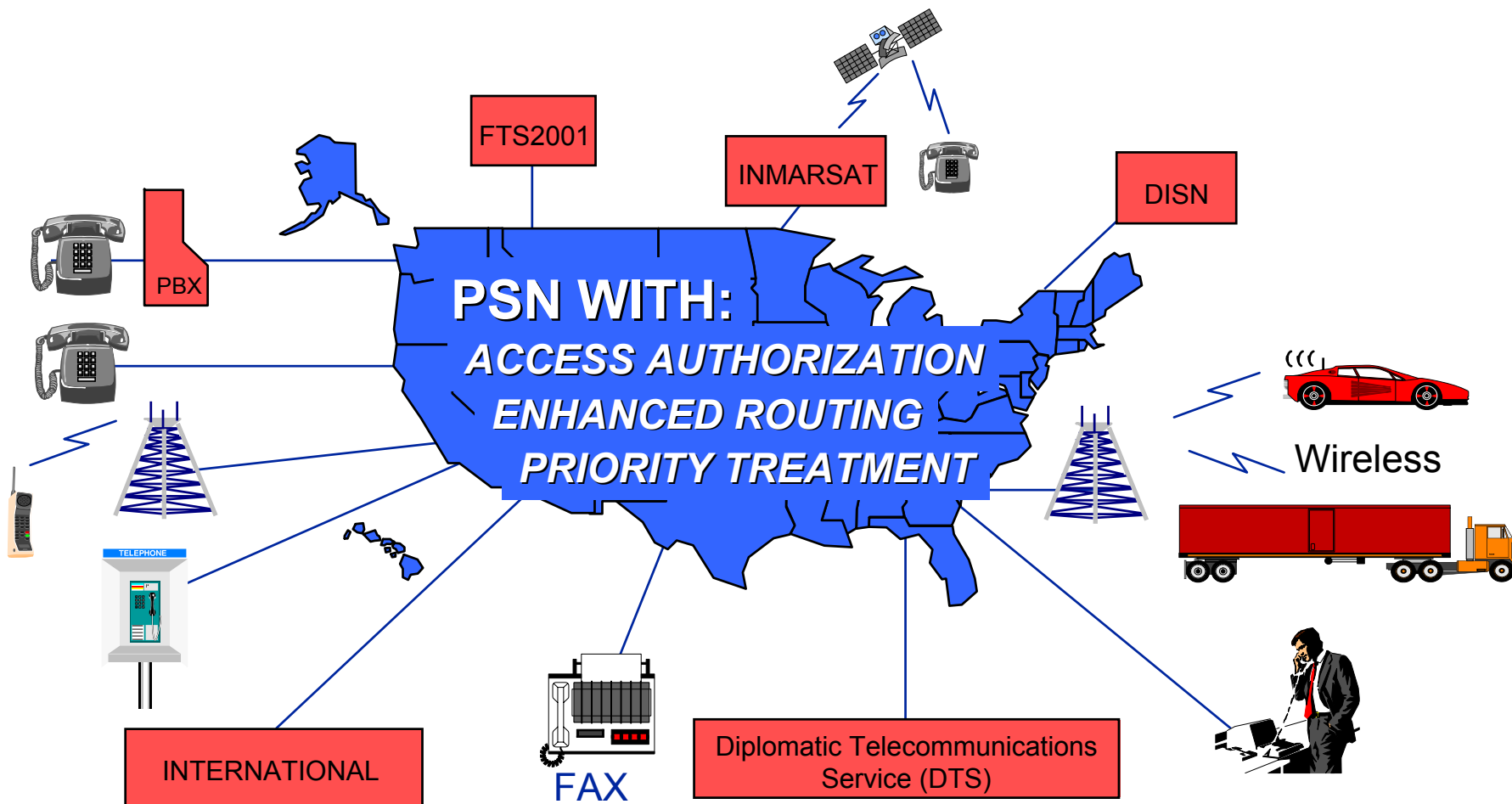
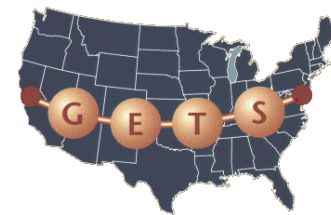


<b>Voice Band Service</b>	<b>Voice Band Service To Support Presidential Communications, including NCS</b>
<b>Interoperability</b>	<b>Must Interoperate With Select Other Government Or Private Facilities, Systems And Networks</b>
<b>Survivability/Endurability</b>	<b>Must Provide Interconnection Of Surviving Users Under Circumstances Ranging From Natural/Manmade Disasters Up To And Including Nuclear War</b>
<b>International Interface</b>	<b>Must Provide Access To And Egress From International Service</b>
<b>Nationwide Coverage</b>	<b>Must Provide Readily Available Nationwide Coverage To Support National Security Leadership And Inter/Intra Agency Emergency Communications</b>
<b>Intra/Interagency Operations</b>	<b>Common User Service Must Provide NS/EP Emergency Traffic With Priority Service</b>

\* White House Memo 15 Oct 91 Revalidated NSDD-97 And E.O.s 12472 And 12656

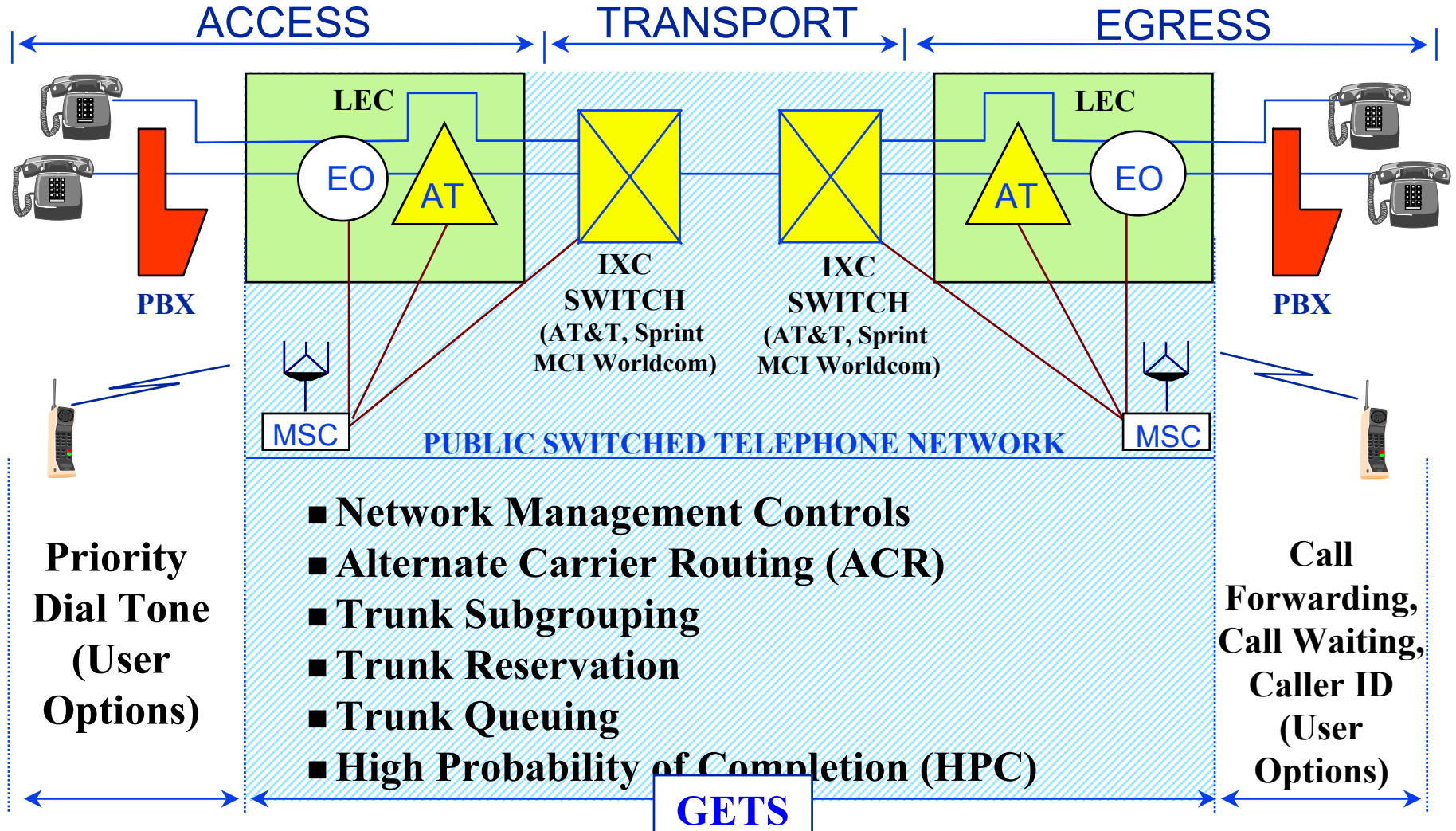
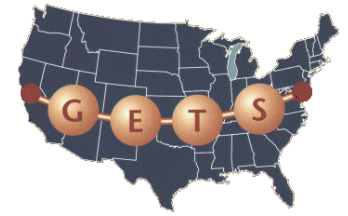


# Operational Concept



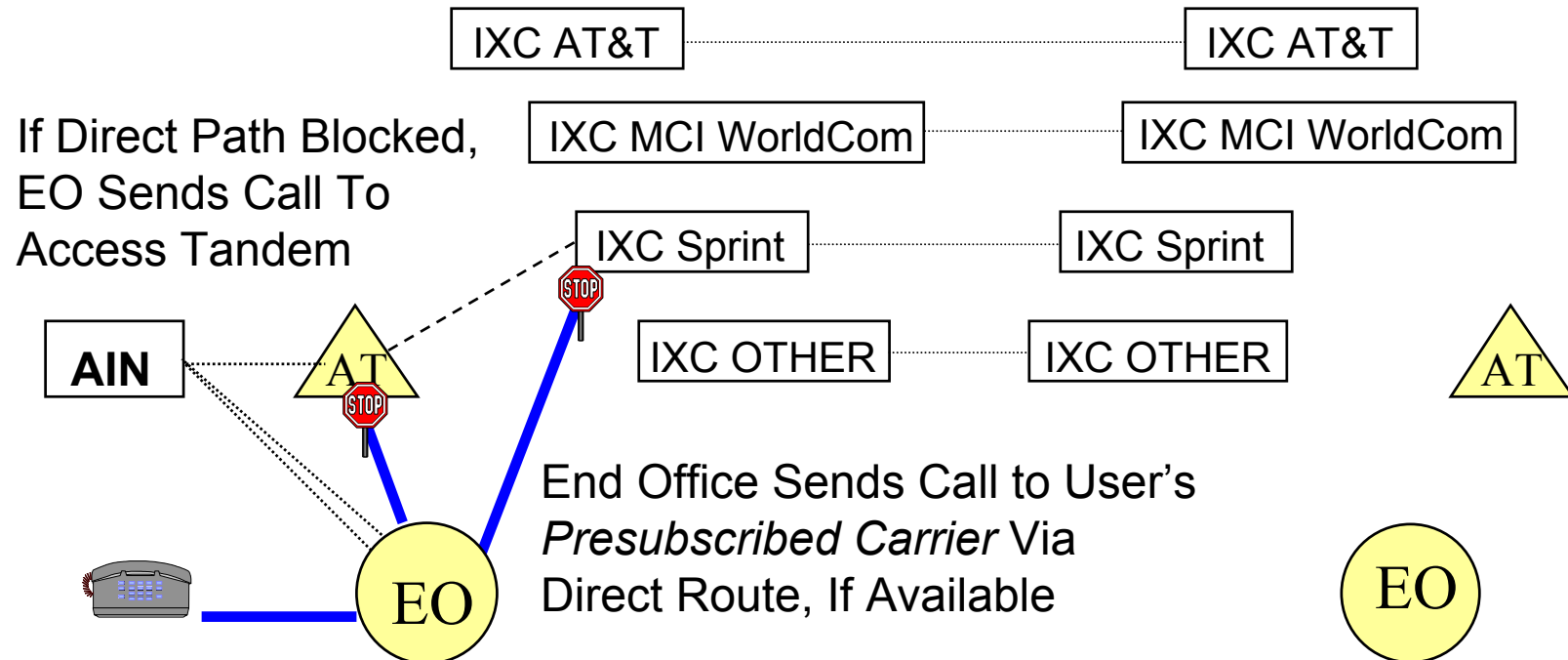
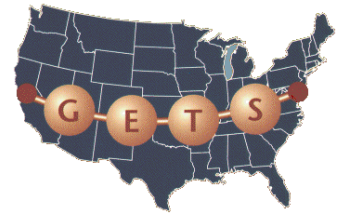


# Priority Treatment Placement





# POTS Routing



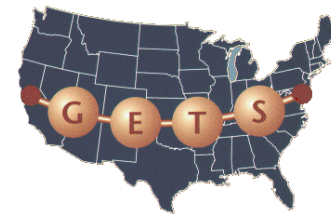
**USER DIALS**  
**1-703-607-6101**

*“All Circuits Are Busy, Please Hang-up And Call Later”*



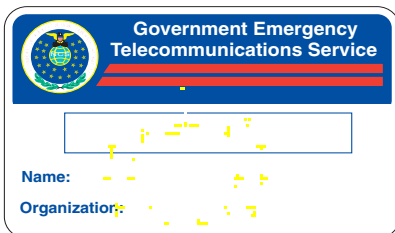


# GETS Dialing Plan



NORTH AMERICAN NUMBERING PLAN		GETS DIALING PLAN	
<b><i>PRESUBSCRIBED</i></b> TO (AT&T, MCI WORLDCOM, OR SPRINT)  <b><i>OR</i></b> DIAL 1010222, 1010288, OR 1010333 TO DESIGNATE IXC  <b><i>OR</i></b> FROM FTS  <b><i>OR</i></b> FROM DTS  <b><i>OR</i></b> FROM DISN	GETS UNIVERSAL ACCESS NUMBER 1-710-NCS-GETS (1-710-627-4387)	12 DIGIT <b><i>PERSONAL IDENTIFICATION NUMBER</i></b> (PIN)	10 DIGIT DESTINATION TELEPHONE NUMBER OR INTERNATIONAL DIALING

**1-710-NCS-GETS + PIN + Destination Number**



Government Emergency  
Telecommunications Service

Name:

Organization:

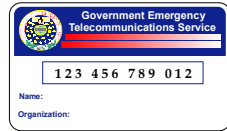
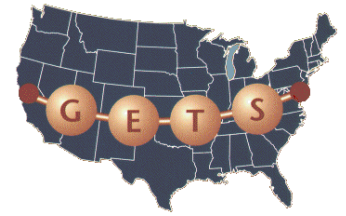


**703-607-6101**





# GETS Routing



**TONE -- Enter PIN** 123456789012  
*"Please enter your destination number now"*  
**703-607-6101** *"You are using GETS -- AT&T"*

**NETWORK DAMAGE / CONGESTION ENCOUNTERED**  
*Enhanced Routing and*

**GETS Call Processed**

**Priority Treatment**

**Call Passed  
to IXC  
Query AIN  
Platform**

AIN



IXC AT&T



IXC MCIWorldcom



IXC Sprint



IXC OTHER

IXC MCIWorldcom

IXC Sprint

IXC OTHER

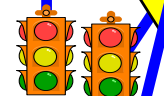
**Call Queues on IXC Trunk Group  
Call Queues on Direct Trunk Group**

**"Other" IXC calls  
stopped at EO**  
*Probability of GETS call completion  
engineered for ~.85 during 8X design  
overload throughout entire PSN*

**Call in  
IXC Queue**



**Call in  
AT Queue**



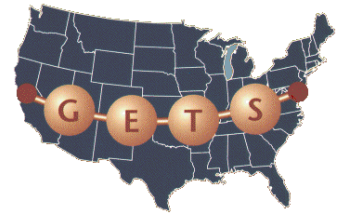
**User Dials  
1-710-NCS-GETS**

**Routing Instructions For  
Alternate Carrier Routing (ACR)**

**CALL CONNECTED!**



# GETS Card (Front)



## Government Emergency Telecommunications Service

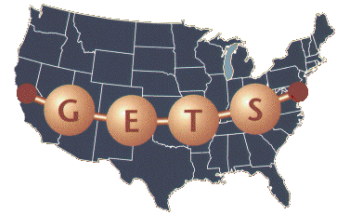
1 2 3 4 5 6 7 8 9 0 1 2

**Name:** Zachary L. Johnson

**Organization:** OMNCS - N2



# GETS Card (Back)



## TO MAKE GETS CALLS

### ***TOUCH-TONE PHONES***

Dial **1 + 710-NCS-GETS (627-4387)**  
After the tone enter your PIN. When prompted, dial your destination number (Area Code + Telephone Number).

### ***CANNOT COMPLETE***

For AT&T: 1+888-288-4387  
For MCI WorldCom: 1+800-900-4387  
For Sprint: 1+800-257-8383

Try a different long-distance carrier by dialing:  
For AT&T: **1010+288**  
For MCIW: **1010+222**  
For Sprint: **1010+333** } **+1+710-627-4387**

### ***FTS OR DSN USERS***

Use normal procedures to get an FTS2000 dial tone, then dial **710-627-4387**

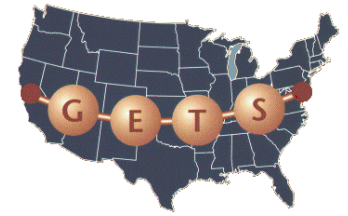
### ***NEED ASSISTANCE?***

Dial **1+800-818-GETS (4387)** to get help or report trouble at any time. You can also obtain user assistance through GETS. When prompted for your destination number dial **703-818-GETS**.

U.S. GOVERNMENT PROPERTY. If found, return to OMNCS (NCS-N2), 701 South Court House Road, Arlington, VA 22204-2198. WARNING: For official use only by authorized personnel.



# GETS POC Form



\*\*\* UNCLASSIFIED INFORMATION ONLY \*\*\*

DATE

DD/MM/YYYY

ORG<sup>(1)</sup>

## GETS POC FORM

PRIMARY

NAME

FIRST

MIDDLE

LAST

SUB ORG<sup>(2)</sup>

(MAX 25 CHARACTERS FOR PIN CARD)

PASSWORD<sup>(3)</sup>

TITLE

E-MAIL ADDRESS

ADDRESS

WORK LOCATION

MAILSTOP

CITY

STATE

ZIP CODE

PRIMARY

SECONDARY

CELLULAR

AFTER HOURS

PAGER

PIN

FAX

Check each category that applies to your National Security / Emergency Preparedness mission(s). Criteria for each category can be found on the accompanying page.

☐

(1) National Security Leadership

☐

(3) Public Health, Safety, and Maintenance of Law and Order

☐

(5) Disaster Recovery

☐

(2) National Security Posture and US Population Attack Warning

☐

(4) Public Welfare and Maintenance of the National Economic Posture

ALTERNATE

NAME

FIRST

MIDDLE

LAST

SUB ORG<sup>(2)</sup>

(MAX 25 CHARACTERS FOR PIN CARD)

PASSWORD<sup>(3)</sup>

TITLE

E-MAIL ADDRESS

ADDRESS

WORK LOCATION

MAILSTOP

CITY

STATE

ZIP CODE

PRIMARY

SECONDARY

CELLULAR

AFTER HOURS

PAGER

PIN

FAX

SENIOR POC

INTERNATIONAL CALLING

☐ YES ☐ NO

Forward to:

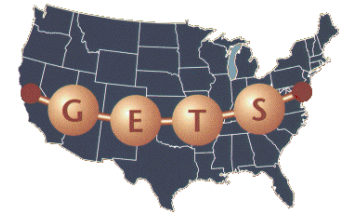
GETS Administrator  
OMNCS-N2 (N2)  
701 S. Court House Road  
Arlington, VA 22204-2198

Tel (703) 607-6118  
Fax (888) 862-4222

- (1) Enter ORGANIZATION (e.g. DOD, GSA, FEMA, ARC, UT-S)  
(2) Enter SUB ORGANIZATION name (max. 25 characters)  
(3) Enter 4 to 9 character Alphanumeric PASSWORD



# GETS User Form



\*\*\* UNCLASSIFIED INFORMATION ONLY

DATE \_\_\_\_\_  
DD/MM/YYYY

ORG<sup>(1)</sup> \_\_\_\_\_

## GETS USER FORM

<b>NAME</b>	FIRST			MIDDLE			LAST		
	SUB ORG <sup>(2)</sup>			PASSWORD <sup>(3)</sup>					
	(MAX 25 CHARACTERS FOR PIN CARD)								
	TITLE			STOCKPILE PIN CARD QUANTITY					
	ADDRESS			WORK LOCATION			MAILSTOP		
	PHONE NUMBERS			CITY			STATE		
			PRIMARY			SECONDARY			
			AFTER HOURS			PAGER			
			E-MAIL			ZIP CODE			
						CELLULAR			
						PIN			

POC NAME \_\_\_\_\_

INTERNATIONAL CALLING ☐ YES ☐ NO

Check each category that applies to your NS/EP mission(s). Criteria for each category can be found on the accompanying page.

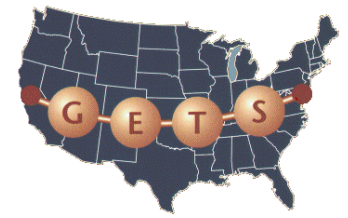
- ☐ (1) National Security Leadership
- ☐ (2) National Security Posture and US Population Attack Warning
- ☐ (3) Public Health, Safety, and Maintenance of Law and Order
- ☐ (4) Public Welfare and Maintenance of the National Economic Posture
- ☐ (5) Disaster Recovery

- (1) Enter ORGANIZATION (e.g. DOD, GSA, FEMA, ARC, UT-S)
- (2) Enter SUB ORGANIZATION name (max. 25 characters)
- (3) Enter 4 to 9 character Alphanumeric PASSWORD

Forward to: **GETS Administrator** Tel (703) 607-6118  
**OMNCS-N2** Fax (888) 862-4222  
**701 S. Court House Road**  
**Arlington, VA 22204-2198**



# NS/EP Mission Criteria



## (A) National Security Leadership

This user performs NS/EP functions essential to national survival when nuclear attacks threatens or occurs. In addition, this user provides support to critical orderwire and control services necessary to ensure the rapid and efficient provisioning or restoration of other NS/EP services. These user functions may include the following:

1. Critical orderwire or control service supporting other NS/EP functions
2. Presidential support critical to continuity of Government and national security leadership
3. National Command Authority support for military command and control critical to national survival
4. Intelligence critical to warning of potentially catastrophic attack
5. Support for the conduct of diplomatic negotiations critical to arresting or limiting hostilities

## (B) National Security Posture and US Population Attack Warning

This user type performs additional NS/EP functions essential to maintaining an optimum defense, diplomatic, or continuity of government posture before, during, and after crisis situations. Such situations are those ranging from national emergencies to international crises, including nuclear attack. These user functions may include the following:

1. Threat assessment and attack warning
2. Conduct of diplomacy
3. Collection, processing, and dissemination of intelligence
4. Command and control of military forces
5. Military mobilization
6. Continuity of Federal Government before, during, and after crisis situations
7. Continuity of state and local government functions supporting the Federal Government during and after national emergencies
8. Recovery of critical national functions after crisis situations
9. National space operations

## (C) Public Health, Safety, and Maintenance of Law and Order

The user type performs NS/EP functions necessary for giving civil alert to the US population by maintaining law and order and the health and safety of the US population in times of national, regional, or serious local emergency. These user functions may include the following:

1. Population warning (other than attack warning)
2. Law enforcement
3. Continuity of critical state and local government functions (other than support of the Federal Government during and after national emergencies)
4. Hospitals and distribution of medical supplies
5. Critical logistic functions and public utility services
6. Civil air traffic control
7. Military assistance to civil authorities
8. Defense and protection of critical industrial facilities
9. Critical weather services
10. Transportation to accomplish foregoing NS/EP functions

## (D) Public Welfare and Maintenance of National Economic Posture

This user type performs NS/EP functions necessary for maintaining the public welfare and national economic posture during any national or regional emergency. These user functions may include the following:

1. Distribution of food and other essential supplies
2. Maintenance of national monetary, credit, and financial systems
3. Maintenance of price, wage, rent, and salary stabilization, and consumer rationing programs
4. Control of production and distribution of strategic materials and energy supplies
5. Prevention and control of environmental hazards or damage
6. Transportation to accomplish the foregoing NS/EP functions

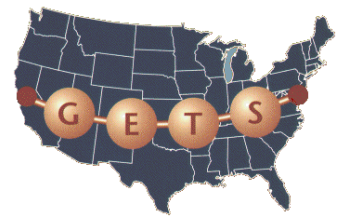
## (E) Disaster Recovery

This user type performs NS/EP functions of managing a variety of recovery operations after the initial response has been accomplished. These user functions may include the following:

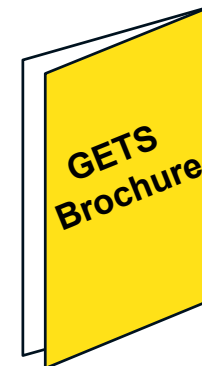
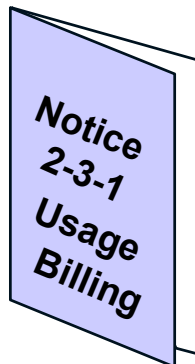
1. Managing medical resources such as supplies, personnel, or patients in medical facilities
2. Other activities such as coordination to establish and stock shelters, to obtain detailed damage assessments, or to support key disaster field office personnel may be included. Examples of those eligible include:
  - Medical recovery operations leadership
  - Detailed damage assessment leadership
  - Disaster shelter coordination and management
  - Critical Disaster Field Office support personnel



# Available Information And Documentation



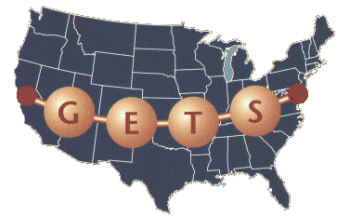
- **GETS Brochure**
- **GETS User Guides**
- **NCS Notice On Usage Billing**
- **GETS Planning Guide**
- **GETS Video**
- **GETS Home Page <http://gets.ncs.gov>**
- **GETS Booth**







# GETS Web-based Information Delivery Service



Coming Soon !

to

<http://gets.ncs.gov>



(a limited capability  
is currently available)

Thursday, January 7, 1999

25 Cents

## GETS WORKS!

**Operational Since 1995 Over 50,000 PINs**

**User Successes**

**Nisqually Earthquake**

**Hurricane Fran**

**Hurricane Bertha**

**Alaskan Wildfires**

**Hurricanes**

**Bonnie & Georges**

GETS has been designed to ensure that only authorized processes the origin, and the distribution, use, and control of PINs. The GETS user will be provided with a unique PIN that must be entered to access the service. After the universal PIN has been dialed, the GETS user will be prompted to enter a PIN and destination.

If the PIN is valid, the call will be processed. If the PIN is invalid (for example, if you entered it incorrectly), you will be prompted to reenter the PIN. If the PIN, after three attempts, is again determined to be invalid, the call will be disconnected.

If the access control system fails, the call will be processed and allowed to proceed. PINs can be used to restrict or restrict access to the service.

**ENHANCED ROUTING**

LEC, carrier, and foreign carriers will route 710 calls to one of the three IECs. AT&T has implemented an enhanced routing service for 710 calls in its network. Enhanced routing services for MCI, Sprint, and the LECs are available.

**Reno Floods**

**Oregon Floods**

**Hurricane Opal**

**Typhoon Keith**

**Korean Airline Crash**

**Super Typhoon Paka**

**Sept. 11 Attacks**

Economic pressures and technological advances have made telephone networks increasingly more vulnerable to disruption by natural or man-made disasters. Recent events, such as the well-documented "Mother's Day" phenomenon, can also prevent circuits from being used for emergency services. GETS is maintained in a constant state of readiness to make maximum use of all available resources.

The tremendous growth in the telecommunications industry has enabled Government users to expand services at reduced costs. In turn, this has increased our reliance on telecommunications. This has been a vulnerability to a variety of threats, including natural disasters, terrorism, and other threats. GETS provides a means to overcome network outages. The following key features:

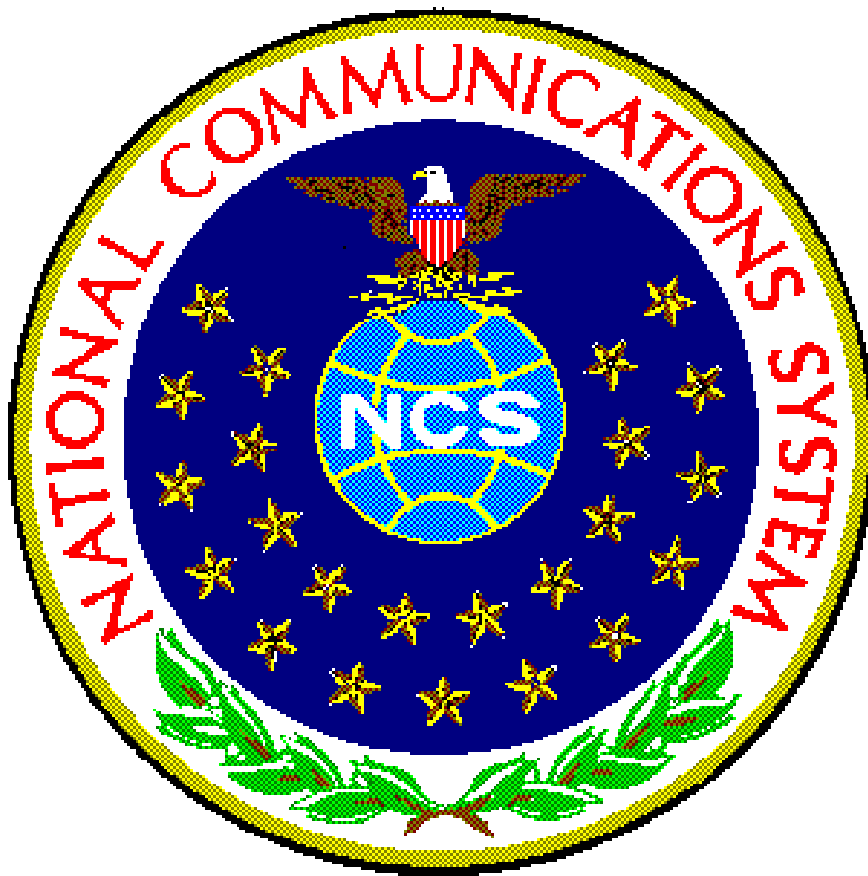
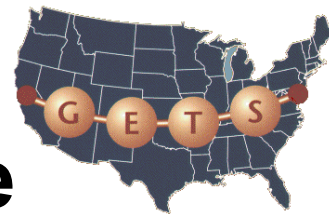
**DIALING PLAN**

The dialing plan is based on the 710 area code that is reserved for NSICG use. This area code is valid in the IECs and all LECs, cellular carriers, and foreign carriers. The normal access mode is through your presubscribed long-distance carrier by dialing the universal access number. If this is not successful, the user can dial the long-distance carrier's access number.



# Government Emergency Telecommunications Service

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## QUESTIONS